

Stormwater Management Inspector Course

Participant Guide



Training provided by the Virginia Department of Environmental Quality
Office of Training Services

Version 1.3

Agenda

8:30 – 9:15	Module 1
9:15 – 10:15	Module 2
10:15 – 10:30	Break
10:30 – 11:30	Module 3
11:30 – 12:00	Module 4
12:00 – 1:00	Lunch
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- 2b: Inspection Strategy
- 2c: Documentation
- 2d: Technical Assistance
- 2e: Enforcement

Module 3: Inspections During Construction

- 3a: Overview of the Construction GP
- 3b: Common Compliance Problems

Module 4: Overview of Non-Proprietary BMP Design Specifications from the Virginia Stormwater BMP Clearinghouse

- 4a: Introduction to Inspections of Non-Proprietary BMPs from the Virginia Stormwater BMP Clearinghouse

Appendix

- I. Sample VSMP Authority Construction General Permit Site Inspection Checklist
 - Ia. Sample Permeable Pavement Construction Inspection Checklist
 - Ib. Sample Bioretention Construction Inspection Checklist
 - Ic. Sample Dry Swale Construction Inspection Checklist

Sample construction and post-construction inspection checklists for all 15 non-proprietary BMPs can be found at: www.deq.virginia.gov/ConnectWithDEQ/TrainingCertification.aspx

Acronyms and Definitions

BMP: Best management practice

BMP Clearinghouse: Virginia Stormwater BMP Clearinhouse, vwrrc.vt.edu/swc/

Construction GP: General VPDES Permit for Discharges of Stormwater from Construction Activities

DEQ: Virginia Department of Environmental Quality

ESC: Erosion and sediment control

FEG: Federal effluent guidelines

LDA: Land-disturbing activity

MS4: Municipality separate storm sewer system

Permanent BMP: Permanent best management practice or stormwater management facilities as defined in [9VAC25-870-10](#)

P2 plan: Pollution prevention plan

Regulated LDA: Land-disturbing activity of one acre or more, 2,500 square feet in all areas of jurisdictions designated as subject to the Chesapeake Bay Preservation Act, part of a larger common plan of development or sale that is one acre or more, or a more stringent area as established in local ordinance, that must follow the provisions of the VSMP Regulations and obtain state permit coverage, where applicable, and VSMP authority permit coverage.

RLD: Responsible land disturber

SWM: Stormwater management

SWPPP: Stormwater pollution prevention plan

TMDL: Total maximum daily load (a calculation of the maximum pollutant amount a body of water can receive while still meeting water quality standards, which is developed by the state or the US Environmental Protection Agency for an impaired water; a TMDL is the sum of the

individual wasteload allocations for point sources, load allocations for nonpoint sources, natural background loading and a margin of safety)

VESCP: Virginia Erosion and Sediment Control Program

VPDES: Virginia Pollution Discharge Elimination System

VSMA: Virginia Stormwater Management Act

VSMP: Virginia Stormwater Management Program

Introduction

Course Goal

This course is designed to provide participants with the knowledge and tools needed to operate an effective VSMP inspection program for compliance inspections of regulated land-disturbing activities (LDAs) during and after construction.

After completing this training, you should be able to:

- Understand how to conduct and schedule inspections of regulated LDAs in accordance with the requirements of the Virginia Stormwater Management Act and Virginia Stormwater Management Program Regulations
- Gain knowledge about documenting VSMP inspections and violations
- Explain the four components of a stormwater pollution prevention plan (SWPPP) and how the components are used in the inspection process
- Utilize the best management practice (BMP) specifications from the Virginia Stormwater BMP Clearinghouse to conduct inspections during and after construction

Participant expectations

- Use the training materials as you like. All the materials you received were prepared for your use
- Be honest with yourself about your strengths and areas that you need to develop. You are responsible for your own learning. Ask for what you need from your trainers and other group members